

Figure 1.

The diagram illustrates the process of creating a macroporous membrane through HF etching. On the left, a glass slide is coated with a polymer layer. A solidified SiO_2 colloidal crystal is applied to the polymer. This assembly is then submerged in a 2% HF solution. An arrow indicates the transition to the right, where the resulting macroporous membrane is shown. The SiO_2 layer has been etched away, leaving a porous structure of air spheres within the polymer matrix.

Figure 2.

FOOT " 4802660

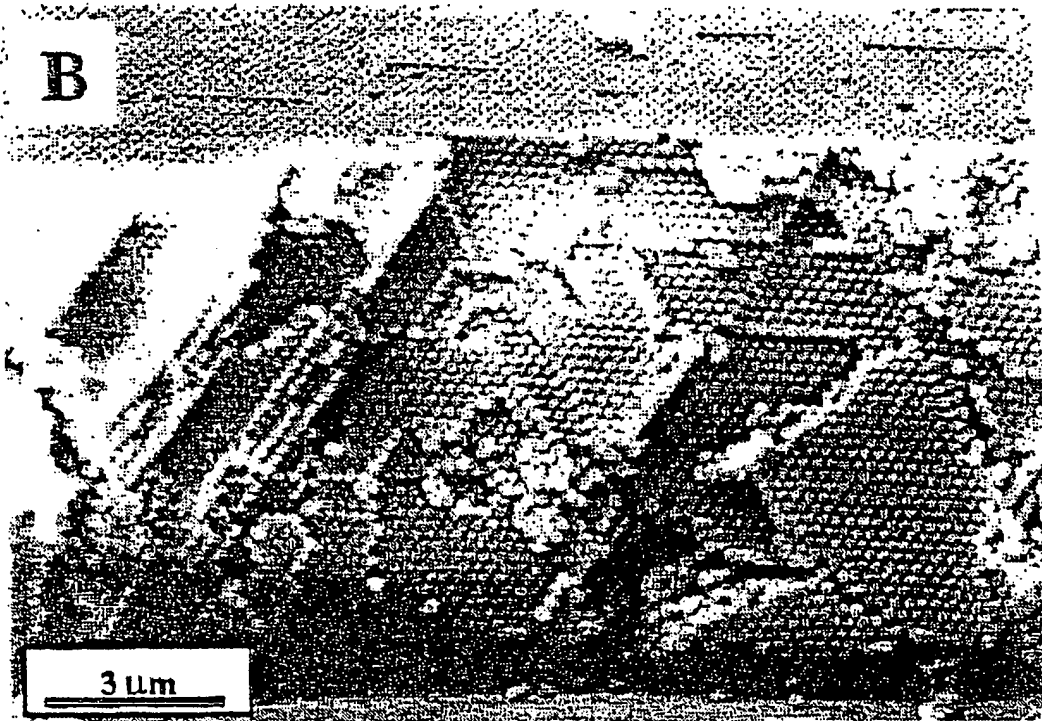
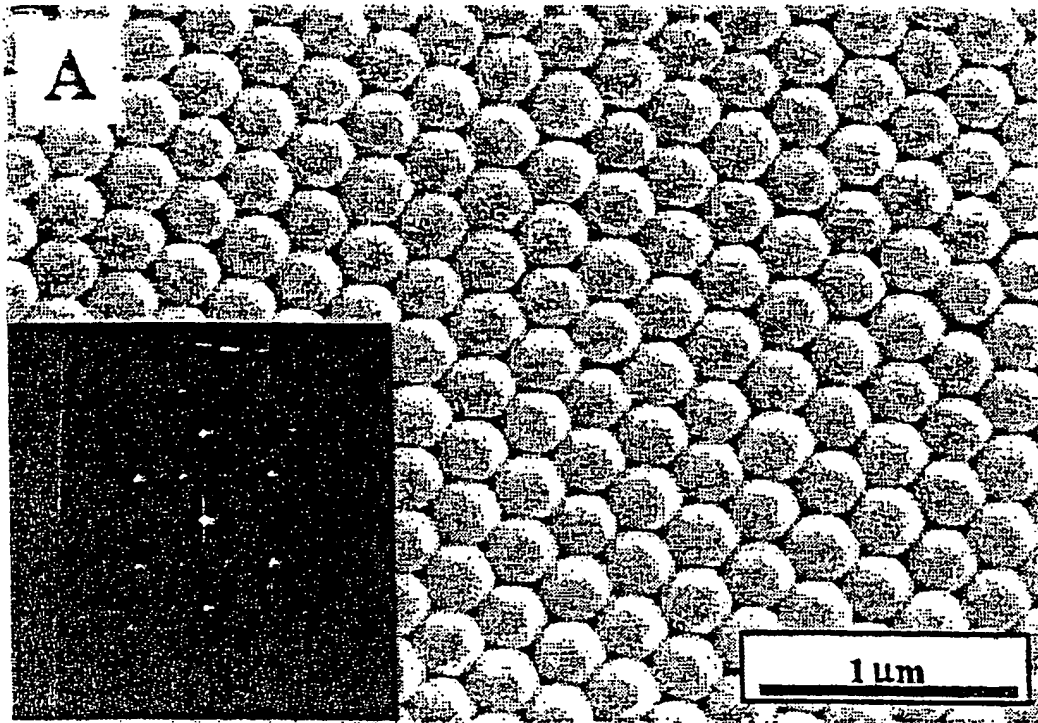


Figure 3.

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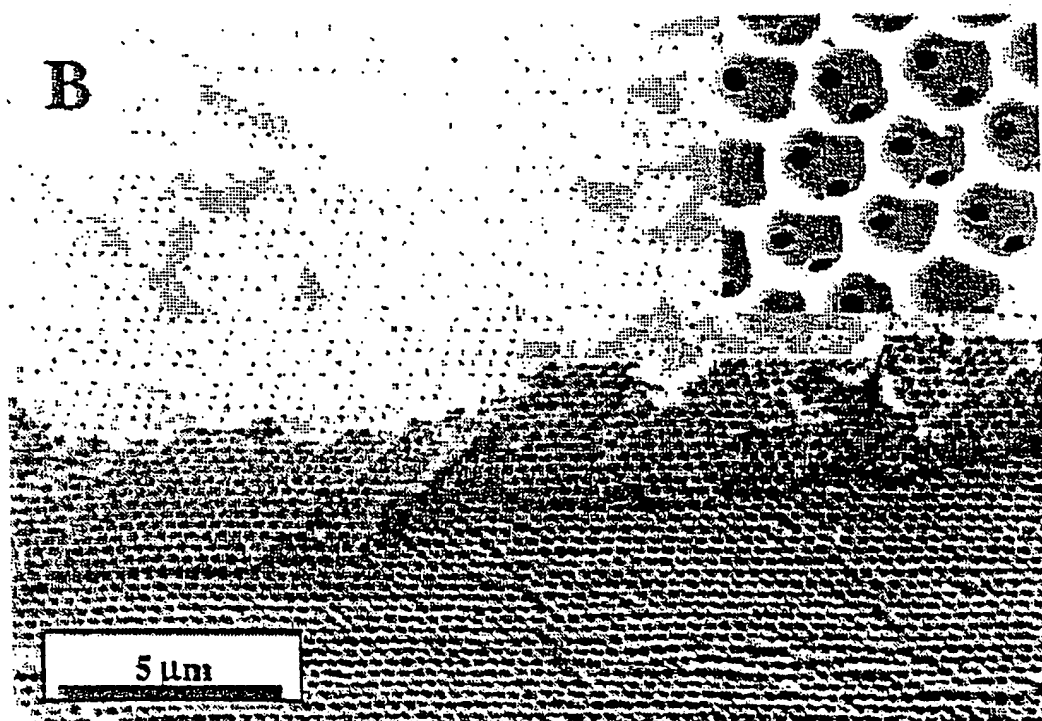
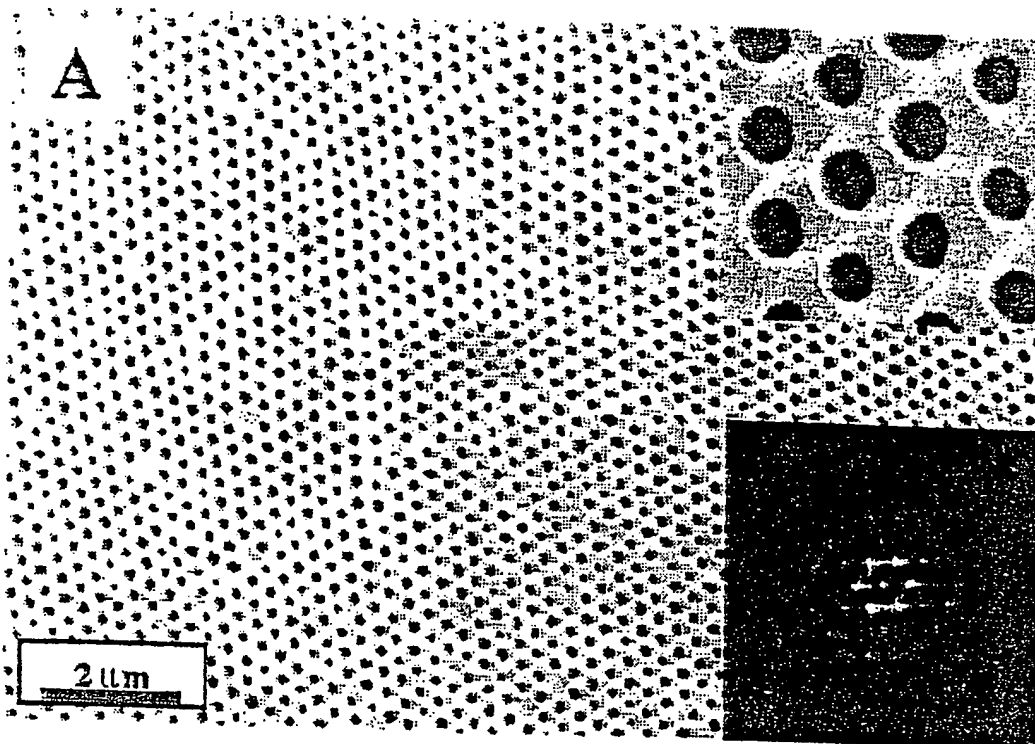


Figure 4

FOOT 1602660

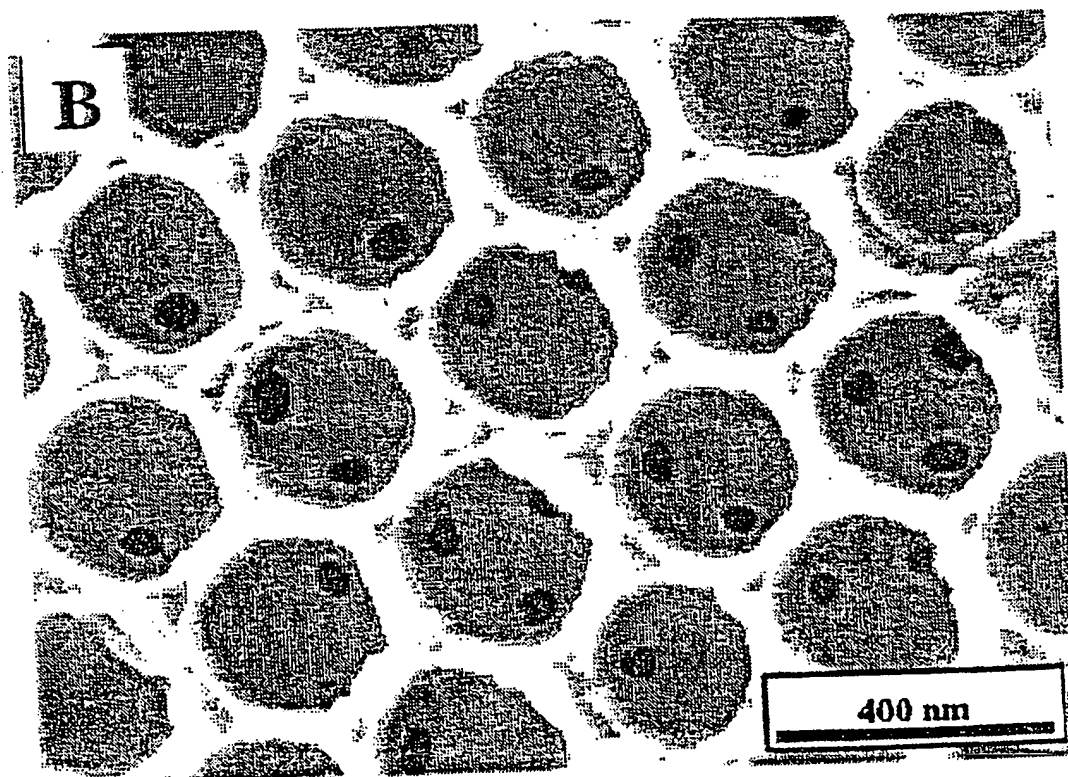
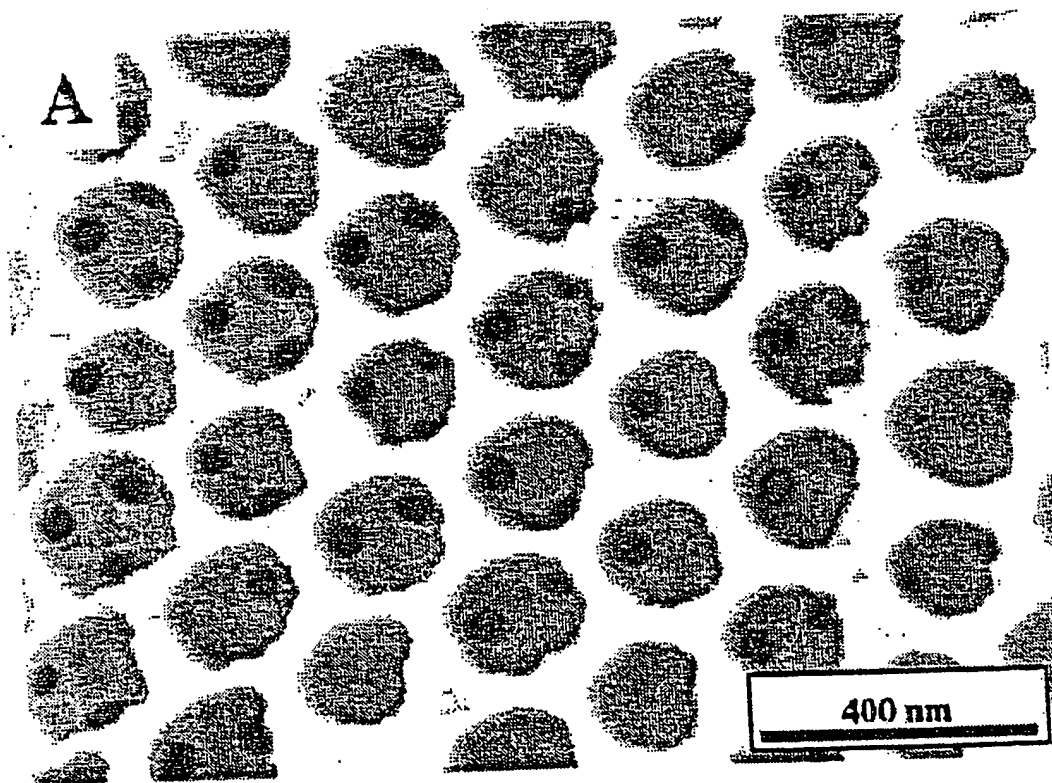


Figure 5.

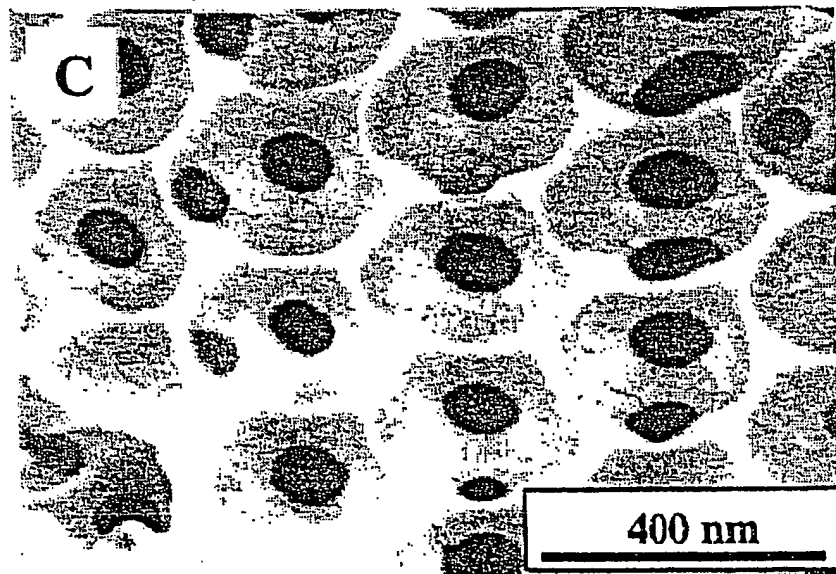
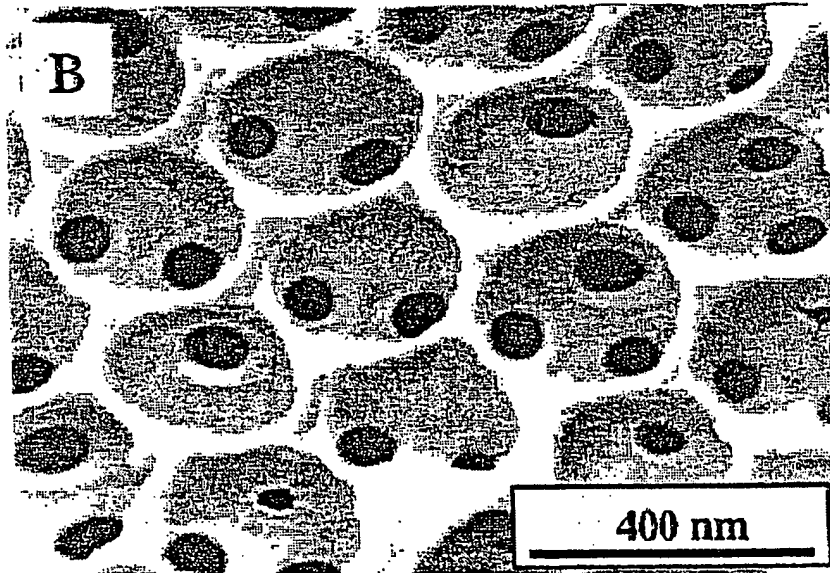
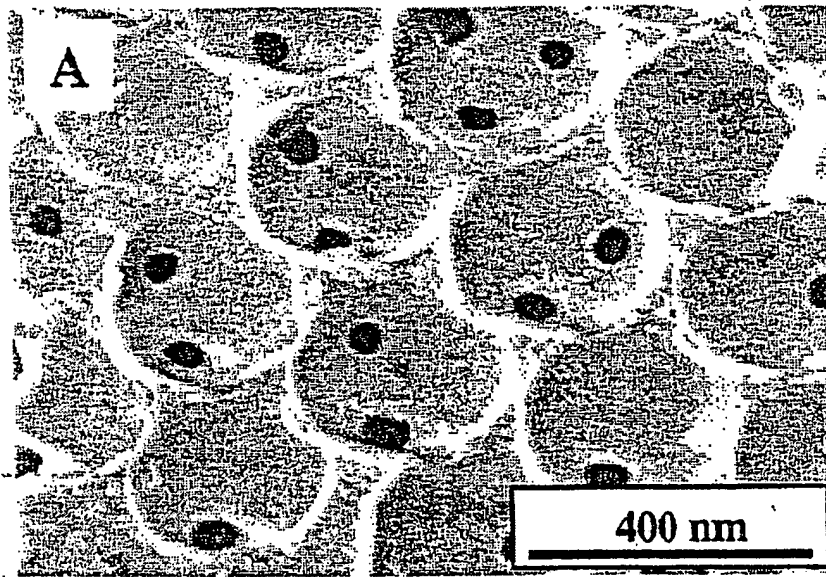


Figure 6.

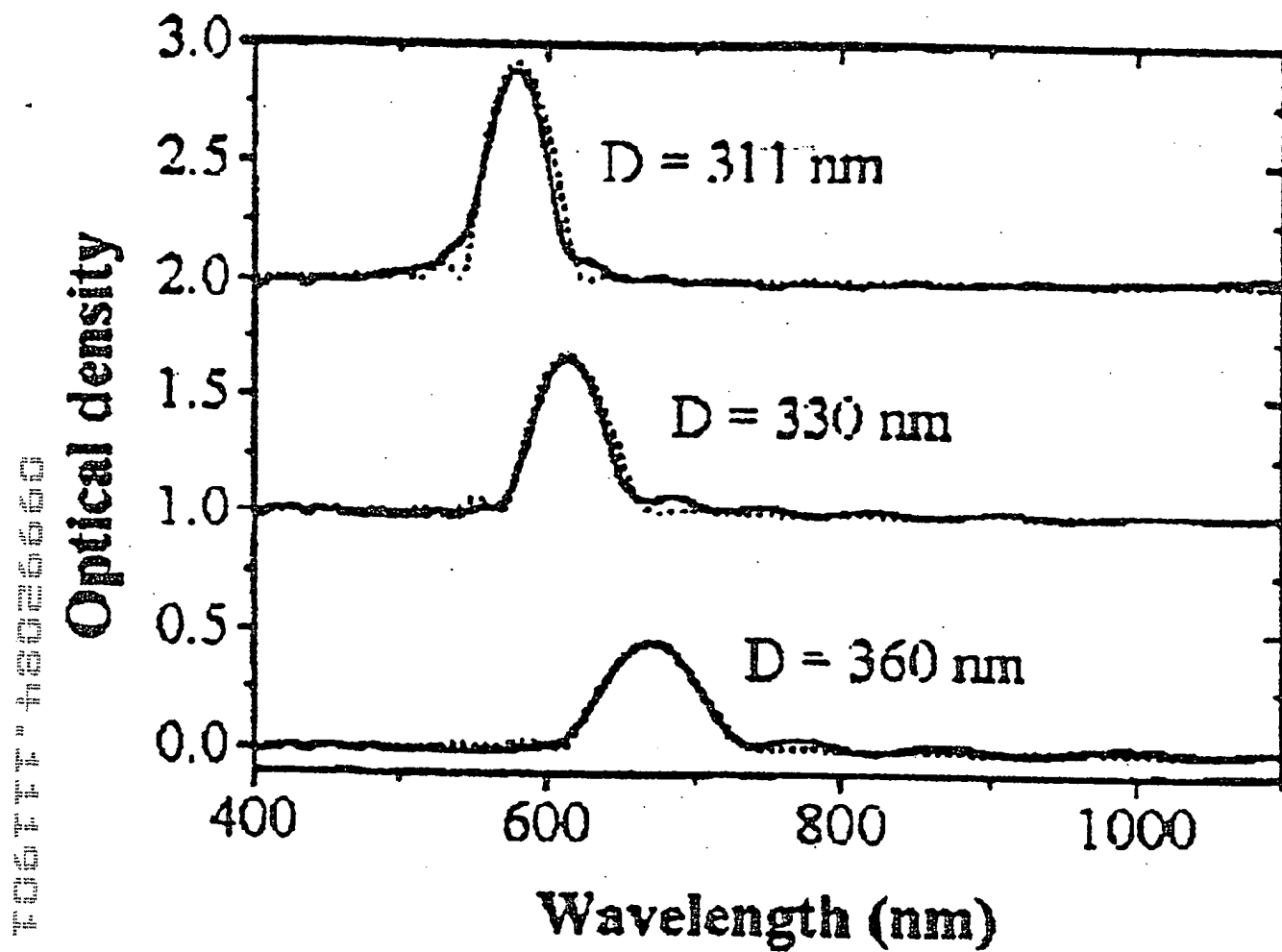


Figure 7.

13022660

Peak wavelength (nm)

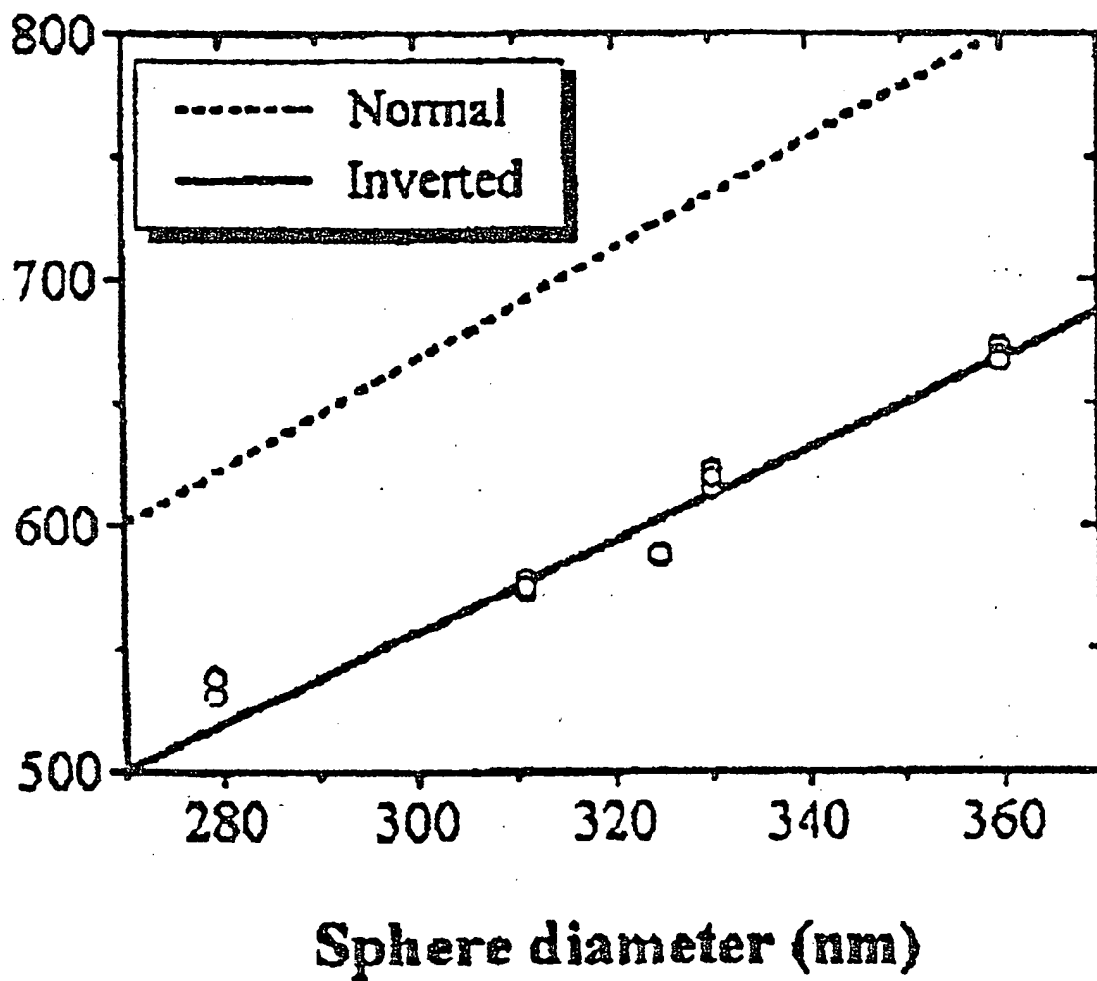


Figure 8.

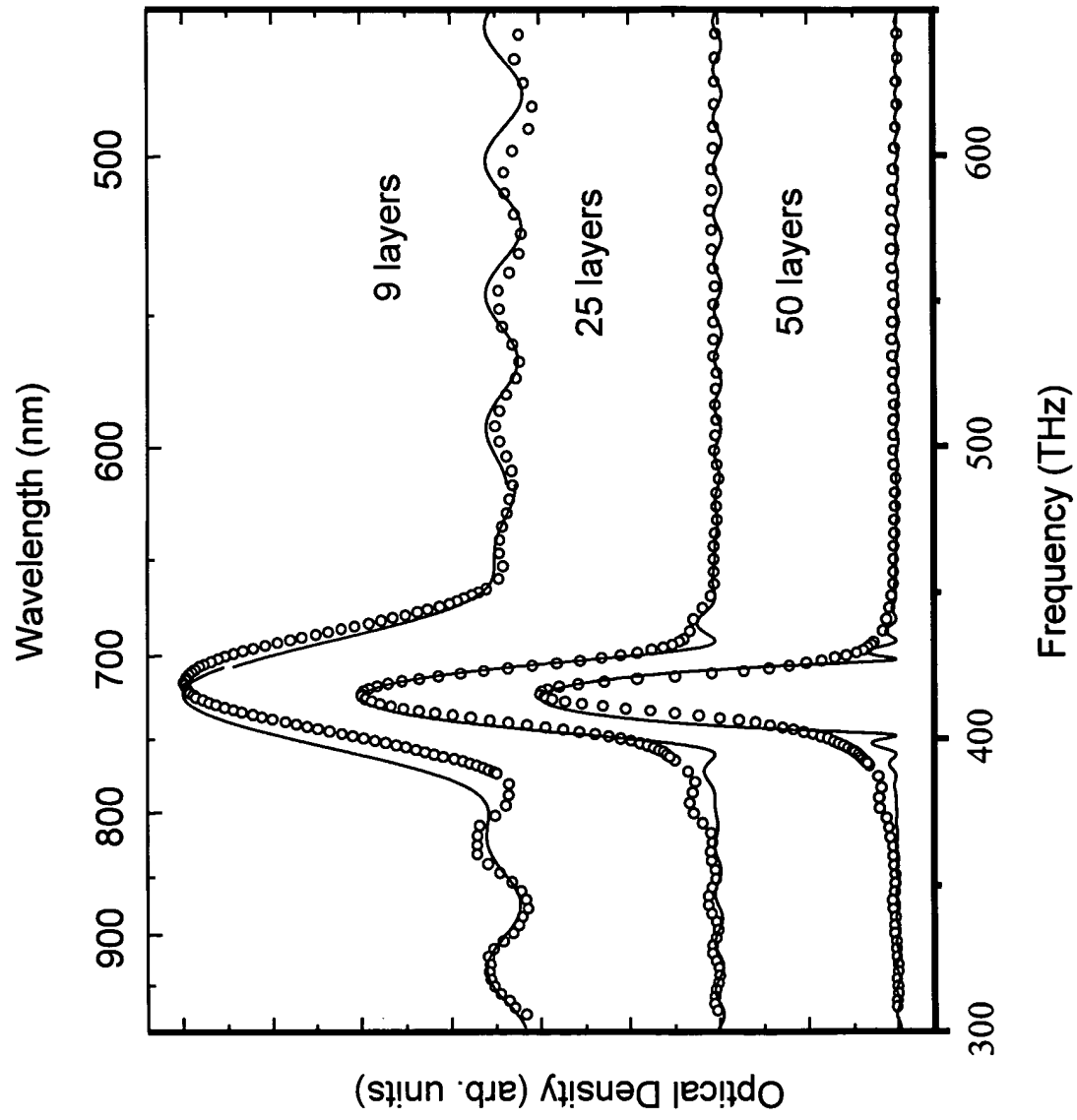


Figure 9

FOOT 4202660

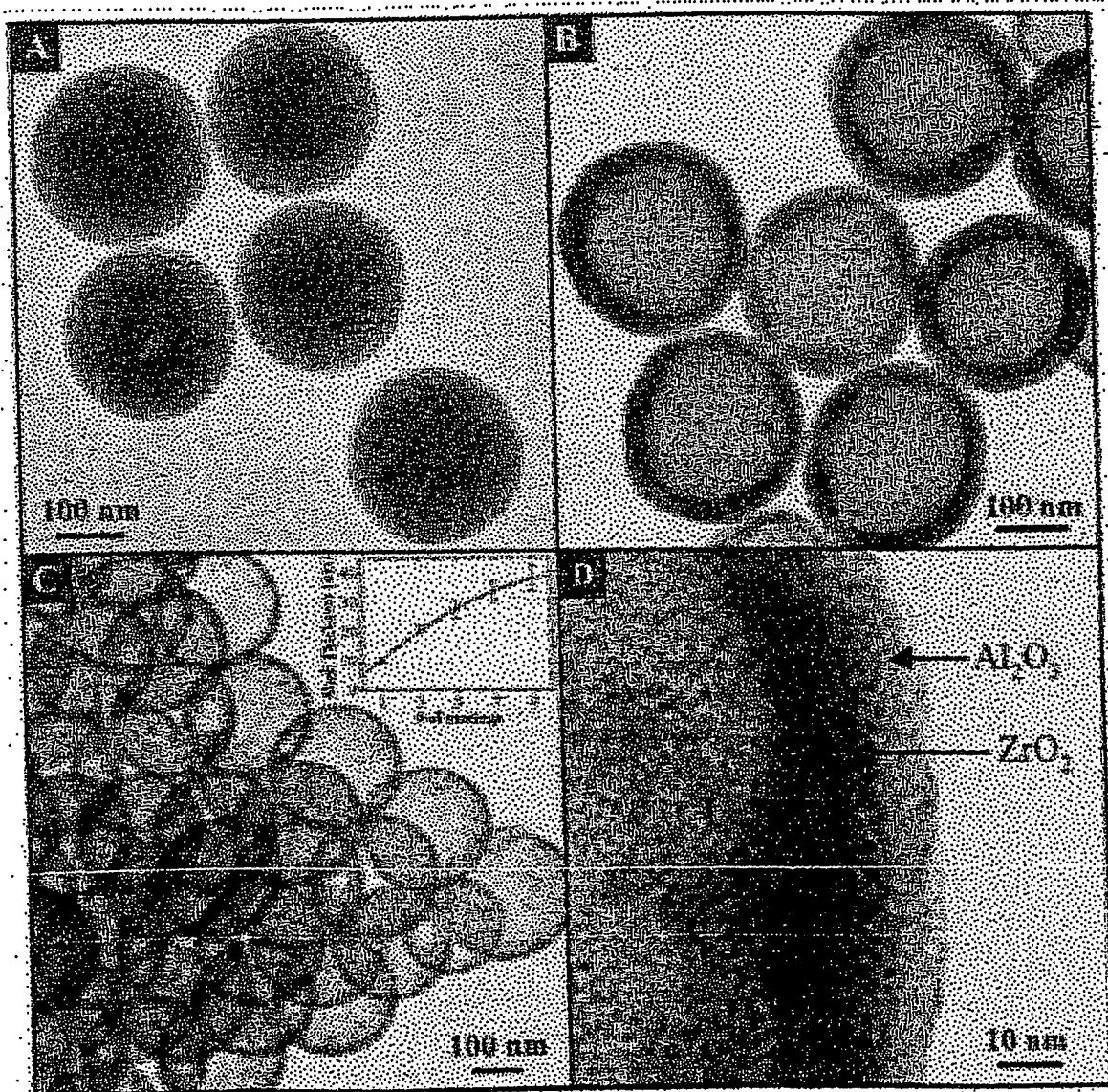


Figure 10.

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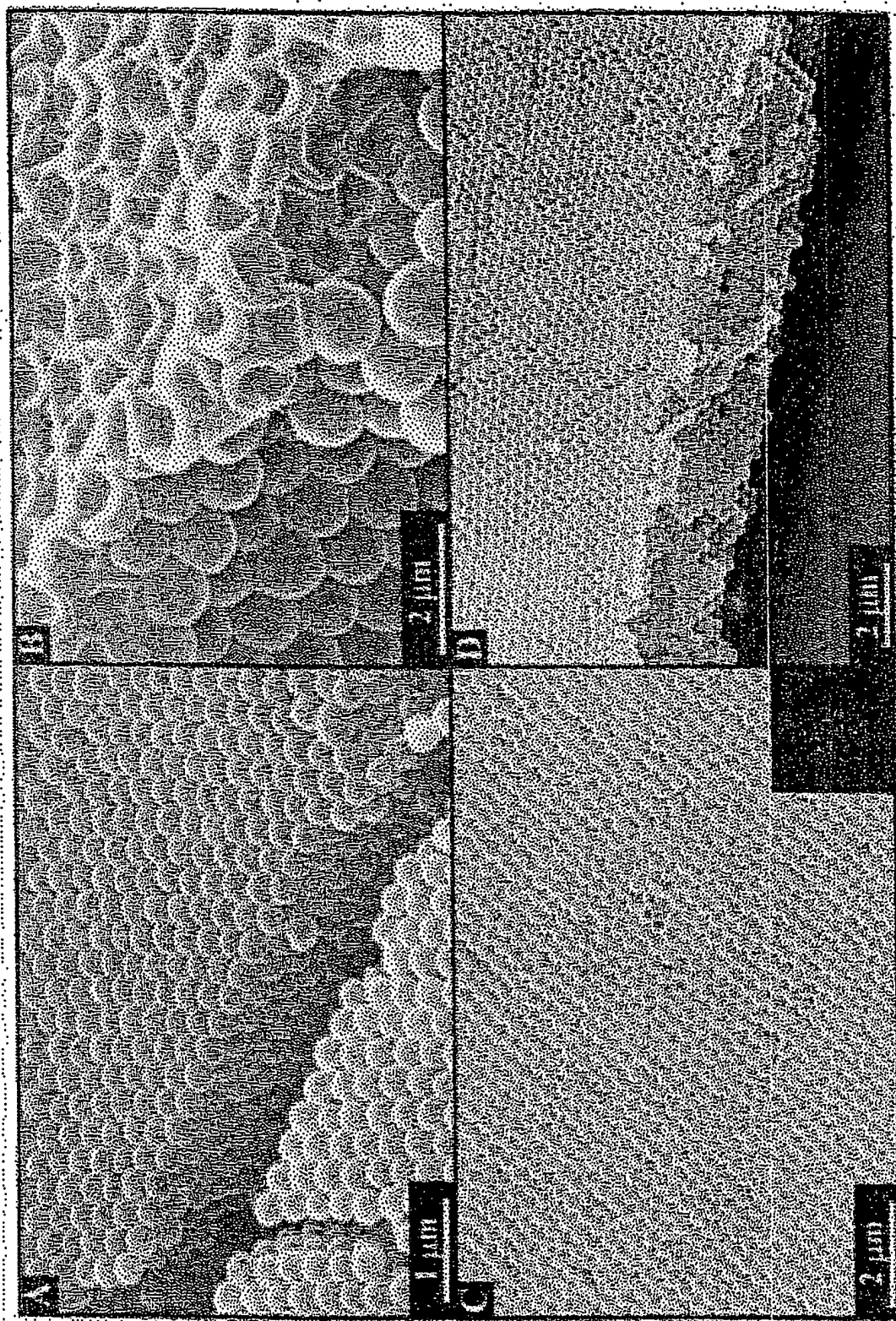


Figure 11.

FOOT-1602660

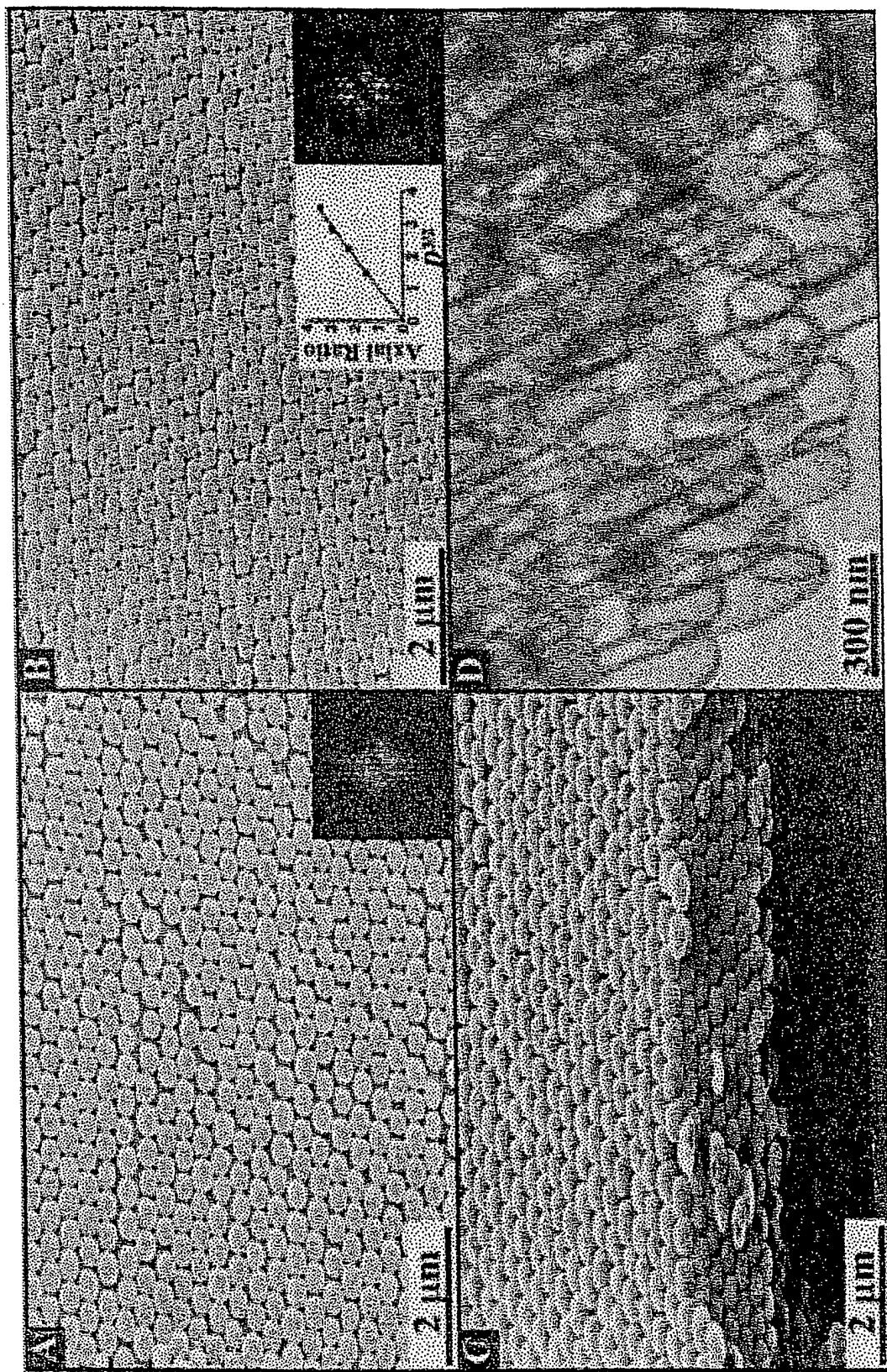


Figure 12.